

PARTS & SERVICE NEWS

REF NO.	AA97146
DATE	September 23, 1997

SUBJECT: Gear Housing improvements: New Seals, Gaskets and Flanged Head Capscrews

PURPOSE: To provide changes for the assembly of the gear housing

APPLICATION: M11 Diesel and L10 External damper Engines (See Parts & Service News AA97079 for chassis applications).

DESCRIPTION:

Introduction:

The following changes for the assembly of the gear housing have been released for production and service on M11 and external damper L10 engines. The changes were put in production on October 15, 1996 with Engine serial number 34838711.

Fiber gaskets for the alternator drive seal, accessory drive seal, and the front crankshaft seal have been replaced with edge molded rubber gaskets. Clamping rings are no longer required with use of the new edge molded rubber gaskets.

When servicing and installing capscrews for the front-end and **not** replacing the gear housing, apply thread sealant to the capscrews for the alternator drive seal, front crankshaft seal, two (2) holes along the hydraulic drive, and one (1) hole for the engine mount (refer to Fig. 1).

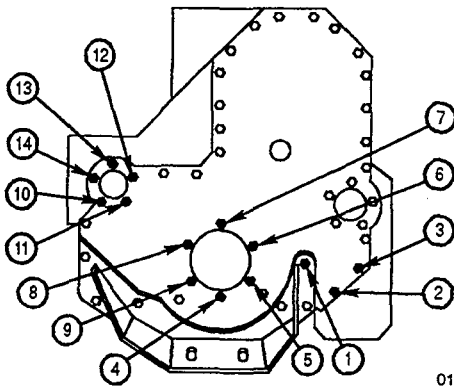
When replacing the gear housing, discard all the M8-1.25 x 20 capscrews with washers for the gear cover and seals, (refer to Fig 1). Capscrews for the front cover and seals are now flanged-head and require no washers.

△ CAUTION △

USING OLD CAPSCREWS WILL DAMAGE THE GEAR HOUSING

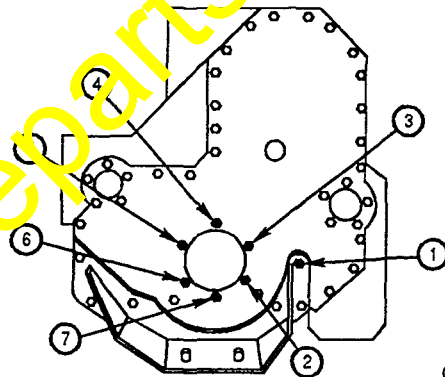
The six (6) holes around the front crankshaft seal and the one (1) hole for the front engine mount continue to be through holes due to design constraints (refer to Fig. 2).

NOTE: Thread sealant is needed **only** at the through holes, located at the crankshaft bore, (Fig. 2 numbers 1 through 7) when replacing the gear housing.



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Fig. 1 Through holes on old housing



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Fig. 2 Through holes on new housing

KOMATSU OLD P/N	KOMATSU NEW P/N	DESCRIPTION
1295 193 H94	1310 747 H91	Gear housing service kit
1310 748 H1	1310 598 H1	Gear Housing
1294 040 H1	1294 040 H1	Needle bearing
1294 041 H2	1294 041 H2	Needle bearing
1294 020 H1	6732-21-3120	M8-1.25X16 capscrews
1294 020 H1	1310 749 H1	M-8.125X16 capscrews w/Teflon
1294 018 H93	1294 018 H93	Alternator drive oil seal kit
1295 745 H1	1310 702 H1	Gasket
1295 750 H2	1310 850 H1	Seal
1295 746 H1		Clamping ring
1304 613 H1	1304 613 H1	Dust seal
1294 015 H94	1294 015 H94	Accessory drive oil seal kit
1295 748 H1	1310 703 H1	Gasket
1295 750 H1	1295 750 H1	Seal
1304 606 H1		Clamping ring
6731-21-1380	6731-21-1380	Dust seal
1294 017 H93	1294 017 H94	Front crankshaft oil seal kit
1296 081 H1	1310 704 H1	Gasket
1296 083 H1	1310 085 H1	Seal
1296 082 H1		Clamping ring
1296 923 H1	1296 923 H1	Dust seal

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